

# City of Healdsburg Wastewater Treatment Upgrade Project

Supplemental Environmental Impact Report

## Scoping Meeting



August 21, 2018

# Welcome and Introductions

- **City of Healdsburg**
  - Patrick Fuss, P.E, Water/Wastewater Engineer
- **AECOM (Consultant Services)**
  - Matthew Gerken, Project Director
  - Petra Unger, Technical Director
  - Natalie Smith, Project Manager



# Meeting Purpose



- To gather input on the issue areas that will be analyzed in the Supplemental Environmental Impact Report (SEIR)
- We want your input on the following topics:
  - Environmental issues to be analyzed
  - Possible alternatives or mitigation measures to consider
  - Questions or concerns related to the expansion of the Seasonal Irrigation Program and associated SEIR
- Input will be used to develop the “scope” of the SEIR

# Project Background

- Original EIR for the City's Wastewater Treatment Plant Upgrade Project was prepared in 2005
  - Upgrade the WWTP treatment processes to produce disinfected tertiary effluent to meet regulatory requirements for disposal/discharge of effluent
  - Options evaluated in the 2005 EIR
    - WWTP upgrade treatment technologies
    - Effluent disposal/discharge locations
    - Beneficial irrigation reuse



# Approved Project Treatment (2005)

- Membrane bioreactor (MBR) with biological nutrient removal (BNR) treatment
  - Uses physical and biological processes
  - Removes all solids over 0.04 microns (hair is 100 - 150 um, bacteria 0.2 – 2 um, virus 0.01 to 0.3)
  - Disinfected by UV (monitored continuously) to inactivate anything not filtered



# Approved Project Treatment (2005)

- **Reclaiming the Water**
  - **Clarity** (monitored continuously)
    - <0.1 NTU; (5 NTU allowable in potable)
  - **Coliforms** (monitored daily)
    - <2 MPN/100 ml (0 in potable; potable has chlorine residual)
  - **BOD** (monitored weekly)
    - 435 mg/L inf; ~1 mg/L eff (not monitored in potable)
  - **Ammonia** (monitored biweekly)
    - <0.1 mg/L (not monitored in potable)
  - **Nitrate** (monitored monthly)
    - ~2.1 mg/L (10 mg/L allowable in potable)
  - **Non-toxic to salmonids** (monitored semiannually; not monitored in potable)



# Seasonal Irrigation Reuse Program Expansion

- In 2009 – 214 acres added for seasonal agricultural irrigation
- In 2014 – Hauling of recycled water to irrigate an additional 25,000 acres of agricultural land (2014-2015 season)
- In 2016 – 600 acres added for seasonal agricultural irrigation and continued hauling of recycled water (2016-2020 seasons)



# Need for Project Modifications

- The City must curtail discharge to the Basalt Pond during the discharge prohibition period to comply with current regulatory requirements and cease and desist order issued by the North Coast Regional Water Quality Control Board
- The City is proposing to increase the volume of tertiary treated wastewater utilized in the Seasonal Irrigation Reuse Program to accomplish compliance



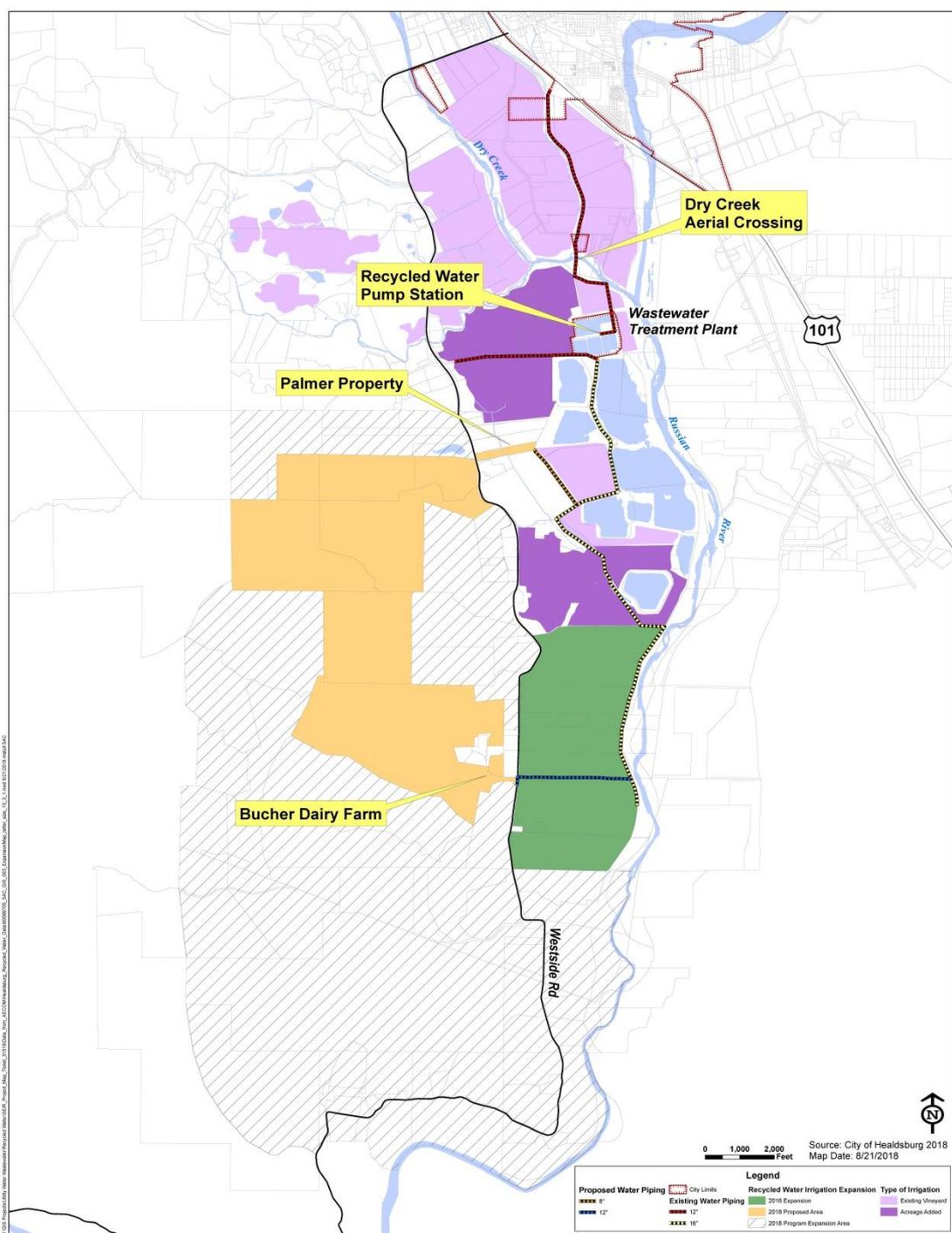
# Description of Proposed Modifications

- Expand the list of water uses beyond those currently approved for the entire service area including:
  - orchards (apple, peach, plum/prune);
  - cannabis;
  - irrigated pasture;
  - direct livestock watering (not including dairy cows);
  - frost protection; and
  - other agricultural uses occurring in the vicinity of the WWTP.
- Add new pipelines to serve agricultural land within the existing agricultural irrigation program service area (2018 Proposed Area).
- Add additional acres of land that potentially could receive recycled water at a future date (2018 Program Expansion Area).



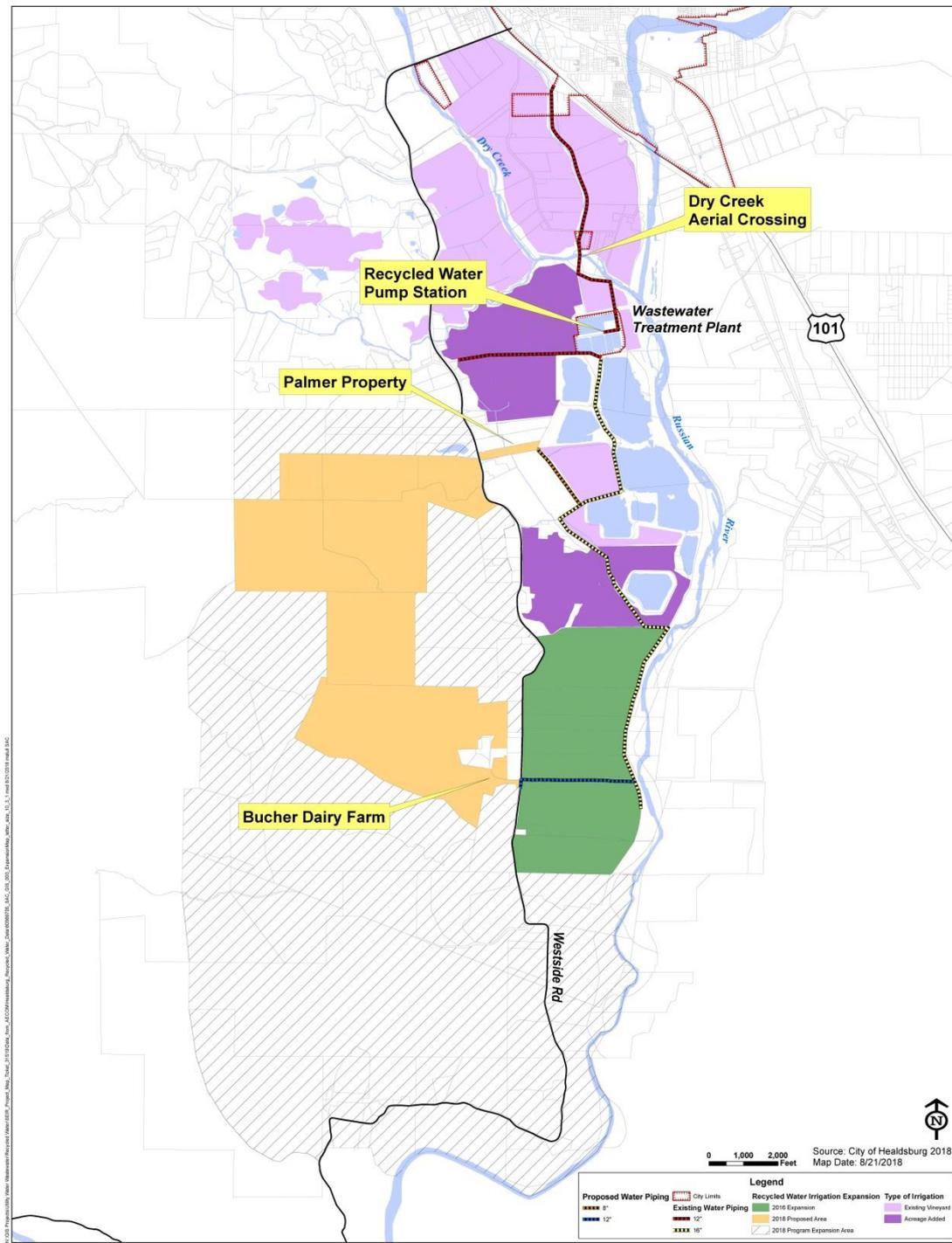
# 2018 Proposed Area

- Approximately 2,160 feet of 8-inch pipeline to serve Palmer Ranch Property
- Approximately 3,600 feet of 12-inch pipeline to serve Bucher Dairy Farm
- Underground pipelines within existing right-of-ways



# 2018 Program Expansion Area

- Voluntary/willing users or specific properties are undefined
- Future service to an additional 2,000+ acres



# SEIR Document Content

- The SEIR document will contain the following sections:
  - Executive Summary
  - Introduction
  - Description of Project Modifications
  - Environmental Setting, Impacts and Mitigation Measures (Resource-specific)
  - Alternatives
  - Cumulative Impacts
  - Other CEQA-required topics, such as growth inducement, list of preparers, and summary of significant effects



# Environmental Analysis in the SEIR

- The SEIR only needs to contain the information necessary to make the previous EIR adequate for the project as modified.
- At this time, the City anticipates that the SEIR would focus on the following areas where additional information may be necessary.
  - Air Quality
  - Cultural Resources
  - Geology and Soils
  - Energy
  - Greenhouse Gas Emissions
  - Land Use and Agriculture
  - Fisheries Resources
  - Terrestrial Biological Resources
  - Noise
  - Transportation
  - Tribal Cultural Resources
  - Water Quality



# General Overview of CEQA Process



Prepare/Distribute  
Notice of Preparation\*  
(30 days)

Scoping Meeting\*  
(August 2018)

Review and  
Evaluate Scoping  
Comments

Prepare Draft SEIR  
(Fall 2018)

Public and Agency  
Review  
of Draft SEIR\*  
(45 days)

Public Meeting  
on Draft SEIR\*  
(Early 2019)

Prepare Final SEIR  
Including Response  
to Comments

Planning Commission/City  
Council Hearing\*  
(March 2019)

File Notice of  
Determination

*\* Opportunities for  
Public / Agency Input*

# How to Provide Comments

- Comment verbally or in writing (comment cards provided) at this meeting
- Submit written comments **by 5 p.m., August 31, 2018**  
**to:** Patrick Fuss, Water/Wastewater Principal Engineer  
City of Healdsburg  
401 Grove Street  
Healdsburg, CA 95448  
pfuss@ci.healdsburg.ca.us

The City of Healdsburg will be reviewing all comments provided during this period.

More information available on the City's website:

<http://www.ci.healdsburg.ca.us/619/Agricultural-Irrigation-Program.html>



# Ground Rules



- **Comments will be taken in order of comment cards.**
- **Once called, clearly say your name and affiliation.**
- **Focus comments on the “scope” of the SEIR.**
- **Value all ideas and points of view.**
- **Comments can also be submitted at the sign-in table, or mailed before August 31st.**

***Your cooperation is greatly appreciated***

The background of the slide is a dark teal color with a pattern of light-colored, wavy lines that create a sense of movement and depth. The lines are thin and overlap, creating a subtle, textured effect.

**Thank you!**

# Recycled Water User Agreement

- Agreement between the City and the User (property owner)
- Specifies the terms and conditions for use and application of recycled water
  - Delivery period (generally April 1 to October 31).
  - Delivery quantities, rate and pressure
  - Compliance with the State General Order on recycled water use
  - Measurements of recycled water
  - Monitoring reports

# Recycled Water User Agreement

- **Requires compliance with the conditions and mitigation measures contained in the 2005 EIR and subsequent environmental studies including:**
  - **All Recycled Water shall be used for vineyard irrigation**
  - **Vineyard irrigation is restricted to agronomic rates of application as determined by the Programmatic Operations and Management Technical Report for Micro-Irrigation of Vineyards in the Healdsburg Area prepared by Larry Walker Associates April 2014**
  - **Storage of Recycled Water in unlined ponds is prohibited**
  - **Recycled Water may not be used for frost protection**
  - **User shall be the sole party using the Recycled Water**